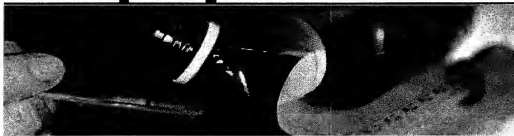


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**Carbomer 934P / 974P**

### Our Products

## CARBOMER 934P / 974P

CARBOMER range are synthetic high molecular weight crosslinked polymers of acrylic acid, which confirm to USP./INF. specifications as "CARBOMER"

### Use

CARBOMER range, are water soluble polymer use to :

#### Thicken

To produce wide range of viscosities and flow properties.

#### Suspend

Insoluble ingredients.

#### Stabilize & Emulsify

Emulsions

### Tablets

#### Binding Agents

Micro Crystalline Cellulose (Spray Dried)

Micro Crystalline Cellulose (Non Spray Dried)

Lactose

Poly Vinyl Pyrrolidone K-30

Ethyl Cellulose

#### Extra Super Disintegrant

Polacrillin Potassium

#### Disintegrant

Sodium Starch Glycollate

Cross Carmellose Sodium

Calcium C.M.C.

#### Lubricants

Magnesium Stearate IP

Polyoxyl 40 Hydrogenated Castor Oil

Lake Colours

Micro Crystalline Cellulose & Guar Gum

Aqueous Enteric Coating Polymer

#### Coatings

**Spirulina (Most Amazing food on earth)**

### Liquid



## Grade & Applications

<b>Grades</b>	Solvent used in process
<b>Carbomer 934P / 974P (Benzene free)</b>	Benzene Cyclohexane & ethyl acetate

**Carbomer 934P / 974P** - High purity oral pharmaceutical grade for formulations.

- Gel, Lotion and ointment.
- Oral liquid, suspension and emulsion.
- Sustained release formulation by matrix system.
- Ophthalmic gel and eye - lotion.
- Transdermal (skin) drug delivery.
- Taste masking.

## Advantages

<b>Thickening efficiency</b>	High viscosities at low concentrations.
<b>Uniform performance</b>	Reproducibility unattainable with natural gums.
<b>Safety</b>	Years of successful use of carbomers.
<b>Temperature stability</b>	Extended up to 75 <sup>0</sup> C heating or cooling
<b>Unaffected by aging</b>	Excellent self life.
<b>Microbial resistance</b>	Resists bacterial attack and does not support mold growth
<b>Versatility</b>	Although primarily used in aqueous systems with neutralization. It can also be used in solvent systems, with or without neutralization.
<b>Elegance</b>	Smooth and luxurious feeling.

## Chilling Properties

On refrigeration CARBOMER gel can retaining the cool temperature level for 48 hours to 72 hours. Low temperature necessary for vaccines, toxoids, insulin and human albumin can be store in pre-refrigerated CARBOMER gel, making it as a suitable medium for transporting these medicines.

## Specifications

<b>Appearance</b>	White fine free flowing powder.
<b>Odour</b>	Mild acidic.

Sodium Carboxy Methyl Cellulose  
Polyoxyl 40 Hydrogenated Castor Oil  
Carbomer 934P/974P

## Taste Masking Resins - 114 / 134 / 104 (for different application)

Simithicone - Oil/Emulsion 33%  
Xanthan Gum  
Veegum  
Aspartame  
Micro Crystalline Cellulose &  
Carboxy Methyl Cellulose Sodium USP, NF, BP

## Injectable

Ranitidine HCL  
Polyoxyl 40 Hydrogenated Castor Oil

## Ointment

Carbomer - 934/974  
Carbomer - 940/980  
Carbomer - 941/971  
Polyoxyl 40 Hydrogenated Castor Oil

<b>pH of 1% solution</b>	2.5 to 3
<b>Carboxylic content</b>	56% to 68%
<b>Heavy metals</b>	Max. 2 ppm
<b>Temperature stability</b>	Up to 75°C

**Grades**

<b>Grades</b>	Viscosity (20°C, 0.5% Neutralization)
<b>Carbomer 934P / 974P</b>	29,400 - 39,400 cps.

**Preparation of Aqueous Transparent Gel**

<b>D.M. water</b>	97.0 gm.
<b>Carbomer (Any Grade)</b>	0.5 gm.
<b>Sodium Hydroxide (10% solution)</b>	2.5 gm.

**Neutralizers Recommended**

<b>Sodium Hydroxide</b>	Potassium Hydroxide
<b>Triethanol Amine</b>	Triethyl amine, other alkalies etc..

**Toxicity**

CARBOMER is a high molecular weight polymer. It is not absorbed by body tissues and is totally safe for human oral consumption. Test for toxicological tolerance show that it does not have pronounced physiological action and is non toxic.

**Storage**

Store in cool dry place. Keep away from moisture and water

**Packing**

5 kg., 20 kg., net in corrugated box.

**Certificate of Analysis ( CARBOMER - 974P )**

No.	Test	Specification	Results
1	Description	White Free Flowing Powder	White Free Flowing Powder
2	Solubility	Complies	Alkali Water



3	Identification	A. Complies B. Complies	Complies
4	Viscosity (0.5% Solution)	Bet'n 29400 To 39400 Cps	36200 Cps
5	Loss on Drying	NMT 2.0%	1.2%
6	Heavy Metals	NMT 0.002%	Complies
7	Assay For Carboxylic Acid Content	Bet'n 56.0% To 68.0%	59.8%

**Certificate of Analysis ( CARBOMER - 934P )**

No.	Test	Specification	Results
1	Description	White Free Flowing Powder	White Free Flowing Powder
2	Solubility	Complies	Alkali Water
3	Identification	A. Complies B. Complies	Complies
4	Viscosity (0.5% Solution)	Bet'n 29400 To 39400 Cps	38850 Cps
5	Loss on Drying	NMT 2.0%	0.9%
6	Heavy Metals	NMT 0.002%	Complies
7	Limit Of Benzene (By Gc)	NMT 0.01%	0.0021%
8	Organic Volatile Impurities	Complies	Complies
9	Assay For Carboxylic Acid Content	Bet'n 56.0% To 68.0%	59.9%

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